

ASTRA IMAGE BATCH DECONVOLUTION REFERENCE

Astra Image 5.2.0.0

Files to Process: Lists the files you have selected to be batch processed.

Add Files...: Click this button to select the files you want to process.

Output Folder: This shows where the processed files will be saved. Click the Browse... button to change.

Status: Show the current processing status. Will report progress, errors etc.

Deconvolution Settings Tab: Same settings as in the Deconvolution tool.

Get Settings from Deconvolution Dialog: Click this button to get the settings from the Deconvolution tool dialog box. It's good to fine-tune settings in the Deconvolution tool, then click this button to copy them for use in the batch processing tool.

The dialog box contains the following elements:

- Files to Process:** A list box for selected files.
- Add Files...:** A button to select files.
- Clear:** A button to clear the list.
- Output Folder:** A text field with a **Browse...** button.
- Status:** A text area showing processing progress and errors.
- Deconvolution Settings Tab:**
 - Blur kernel type: Parametric (dropdown)
 - Blur kernel size: 2 (input)
 - Blur kernel aspect ratio: 1 (input)
 - Blur kernel angle of rotation: 0 (input)
 - Blur kernel kurtosis: 2 (input)
 - Deconvolution type: Lucy Richardson (dropdown)
 - Deconvolution target: Luminance Channel (dropdown)
 - Deconvolution iterations: 10 (input)
 - Deconvolution smoothing: 10 (input)
 - Deconvolution strength: 1 (input)
 - Convert to linear pixel values
- Output File Settings Tab:**
 - Output File Type: Radio buttons for JPEG, TIFF, and PNG.
 - Compression: Slider for JPEG (set to 80), dropdown for TIFF (None), dropdown for PNG (Default).
 - Bit Depth: Dropdown for TIFF (24-bit), dropdown for PNG (24-bit).
 - Output filenames: Text field containing `$O_AI_Deconvolution_$C`.
 - Legend:
 - `$O` = Original filename
 - `$B` = Bit depth
 - `$T` = Current time
 - `$S` = Image dimensions
 - `$D` = Current date
 - `$C` = Counter from 1 (input)
- Buttons:** Start, Close, and Get Settings from Deconvolution Dialog.

OUTPUT FILE SETTINGS TAB REFERENCE

Output File Type: Click either JPEG, TIFF or PNG to set the output file format type.

Output File Settings: The JPEG file type has a setting for the amount of compression. Lower numbers mean more compression but lower quality. The TIFF and PNG file formats allow you to set the type of compression to use as well as the bit depth. Not all compression types work with all bit depths.

Output filenames: Use this box to set what output file names will be used. Images with same name cannot be overwritten.

The screenshot shows the following details:

- Output File Type:**
 - JPEG
 - TIFF
 - PNG
- Compression:**
 - JPEG: Slider set to 80
 - TIFF: None (dropdown)
 - PNG: Default (dropdown)
- Bit Depth:**
 - TIFF: 24-bit (dropdown)
 - PNG: 24-bit (dropdown)
- Output filenames:** `$O_AI_Deconvolution_$C`
- Legend:**
 - `$O` = Original filename
 - `$B` = Bit depth
 - `$T` = Current time
 - `$S` = Image dimensions
 - `$D` = Current date
 - `$C` = Counter from 1 (input)